

Vermont Mental Health Performance Indicator Project

DDMHS, Weeks Building, 103 South Main Street, Waterbury, VT 05671-1601 (802-241-2638)

MEMORANDUM

TO: Vermont Mental Health Performance Indicator Project
Advisory Group and Interested Parties

FROM: John Pandiani, Monica Simon, and Christine Van Vleck

DATE: September 27, 2002

RE: Access to Children's Services: Age and Gender Groups

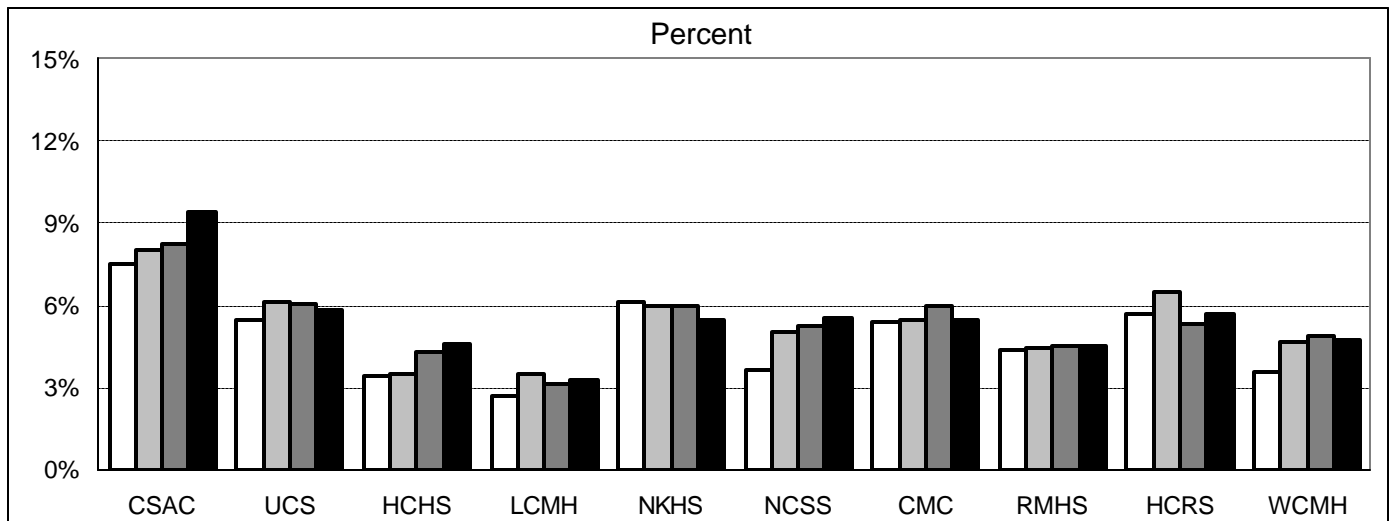
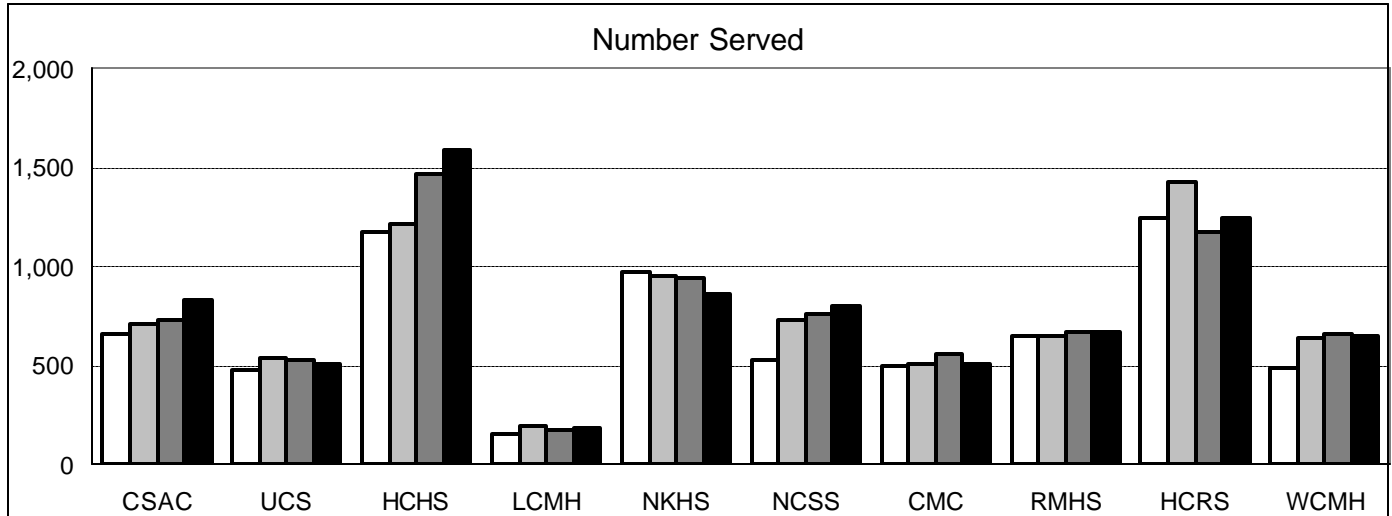
At the Fall 2002 meeting of the PIP Advisory Group, Alice Maynard requested an update of the reports on access to Children's Services Programs that were distributed in February of 2001 (<http://www.state.vt.us/dmh/Data/PIPs/2001/pip020201.pdf>, <http://www.state.vt.us/dmh/Data/PIPs/2001/pip020901.pdf>). She also requested trend analysis that would identify any changes that may have occurred in recent years. This week's PIP is the first installment of our response to that request. The attached pages provide information on variation in access to care (as indicated by per-capita utilization rates) for Children's Services Programs in each of Vermont's ten mental health service areas. This information is also provided for each region as a whole and for young people in specified age and gender groups in each of these regions. The information is provided for each of four fiscal years (1999 to 2002) in both tabular and spider diagram formats as requested by the Advisory Group. In addition, graphs designed to identify any changes in access to care during this four-year period are provided for each provider as a whole and for each demographic group in each service area. Census 2000 population figures are used for each of the years under examination. Among the attachments, the historical graphs are first, the "spider diagrams" are second, and the detailed tables are last.

As you will see, utilization of Children's Services Programs in Vermont increased from 4.6% to 5.3% during this period, statewide, but the change varied substantially across the state. Chittenden County and Addison County had the greatest increase in utilization of CMHC Children's Services (35% and 26% respectively). Southeastern Vermont experienced no change in utilization, and utilization in the Northeast Kingdom actually decreased slightly.

Utilization for boys increased more than utilization for girls (17% vs. 11%), statewide. Utilization for age groups with low utilization rates increased more rapidly than utilization for age groups with higher utilization rates. Utilization for children under 5-year age group (our lowest utilization group) increased at the greatest rate (186%). Utilization for the 5-9 year age group (the next highest utilization group) increased by 31%. Utilization for the 10-12 year group (the next highest utilization group) increased by 17%. Finally, utilization for the 13-17 year age group (our highest utilization) decreased by 2%.

We look forward to your interpretation of these findings as well as your questions, and suggestions for further analysis to pip@ddmhs.state.vt.us or 802-241-2638.

Overall
Access to Child and Adolescent Mental Health Programs
Number and Percent Served
By Region, Vermont: FY1999 - FY2002

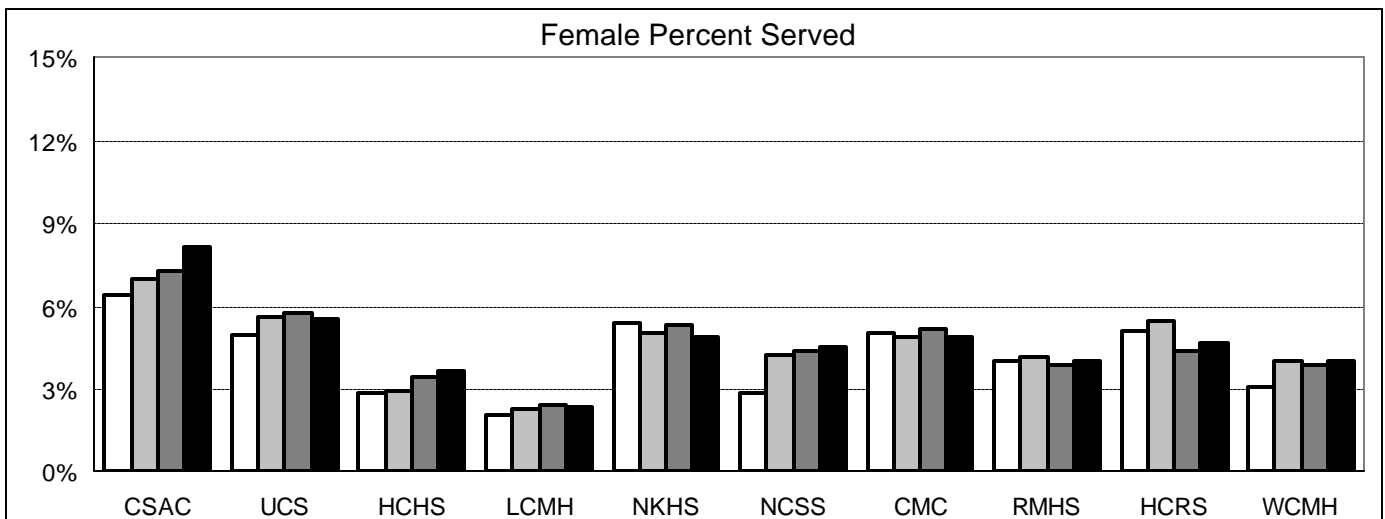
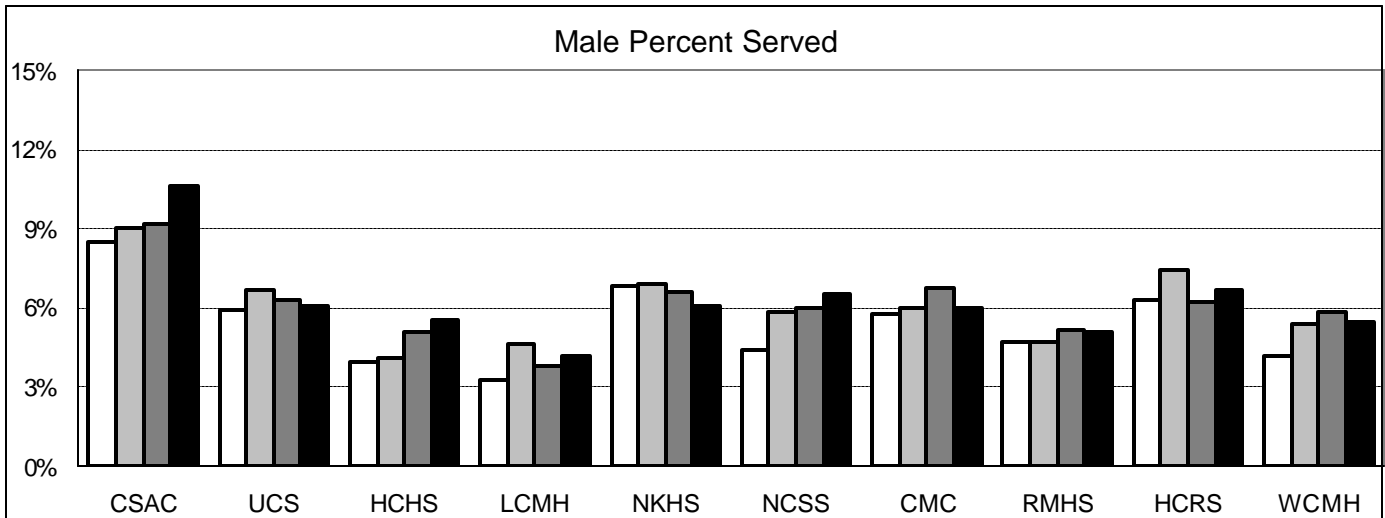


Number Served	CSAC Addison	UCS Bennington	HCHS Chittenden	LCMH Lamoille	NKHS Northeast	NCSS Northwest	CMC Orange	RMHS Rutland	HCRS Southeast	WCMH Washington
1999	656	477	1,171	151	969	526	499	643	1,248	489
2000	705	536	1,211	196	946	727	504	649	1,421	638
2001	725	527	1,468	176	943	754	553	667	1,168	662
2002	825	508	1,583	185	863	801	502	667	1,242	645

Percent Served	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	7%	5%	3%	3%	6%	4%	5%	4%	6%	4%
2000	8%	6%	4%	3%	6%	5%	5%	4%	6%	5%
2001	8%	6%	4%	3%	6%	5%	6%	5%	5%	5%
2002	9%	6%	5%	3%	5%	6%	5%	5%	6%	5%

Analysis is based on Monthly Service Reports submitted to DDMHS by the designated agencies and includes children under 18 who were assigned to Children's Services Programs.

Gender
Access to Child and Adolescent Mental Health Programs
Percent Served
By Region, Vermont: FY1999 - FY2002

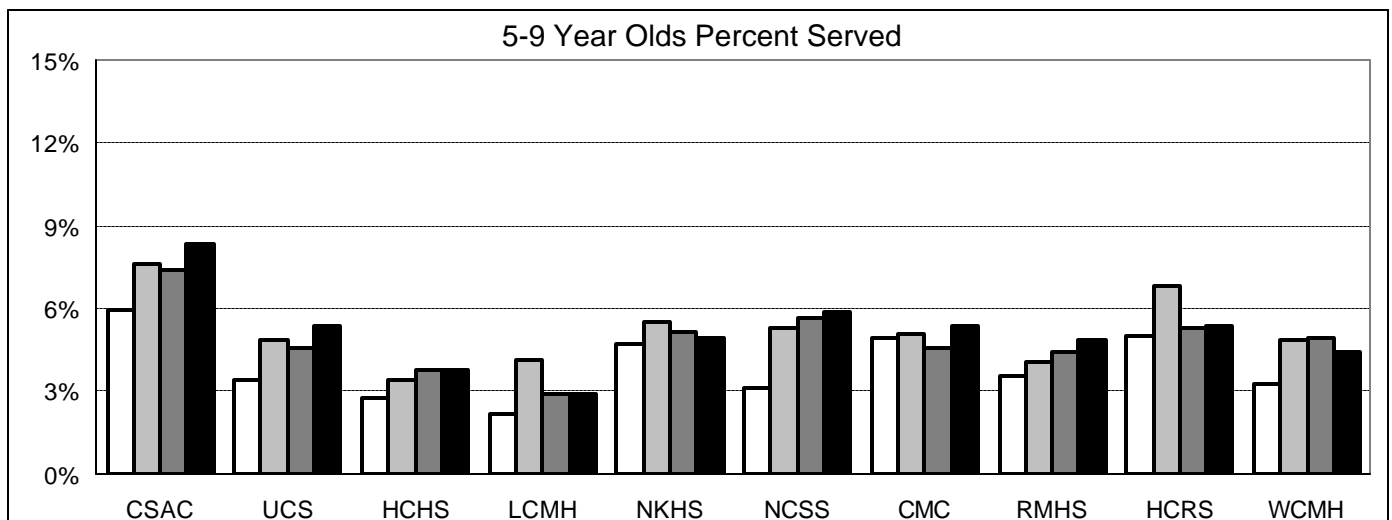
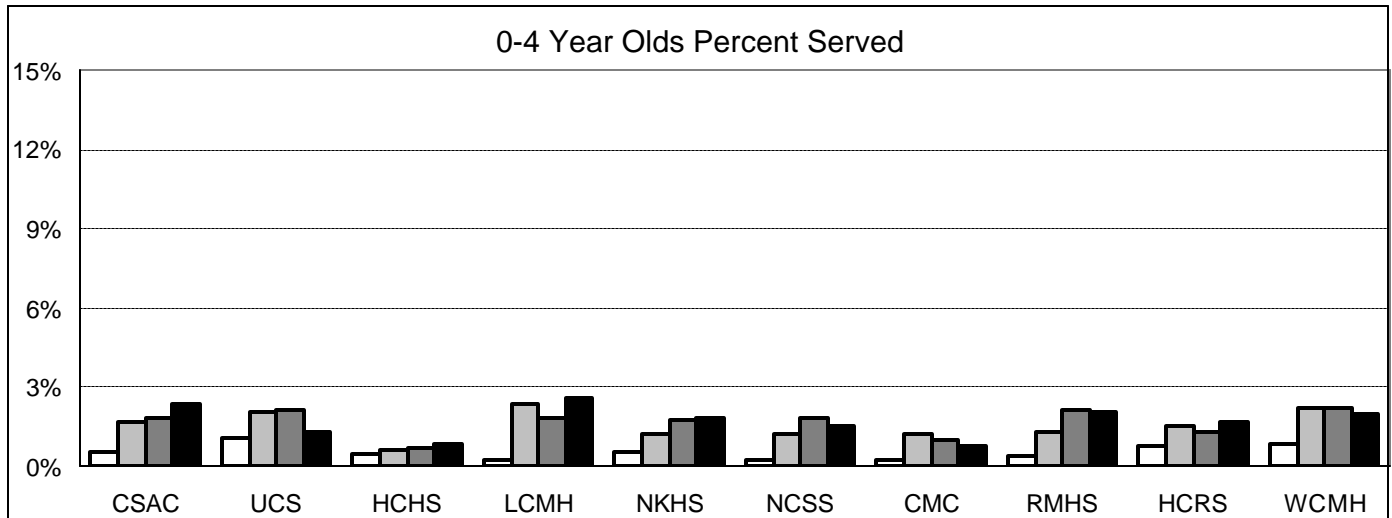


Percent Served	Male									
	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	8%	6%	4%	3%	7%	4%	6%	5%	6%	4%
2000	9%	7%	4%	5%	7%	6%	6%	5%	7%	5%
2001	9%	6%	5%	4%	7%	6%	7%	5%	6%	6%
2002	11%	6%	6%	4%	6%	7%	6%	5%	7%	5%

Percent Served	Female									
	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	6%	5%	3%	2%	5%	3%	5%	4%	5%	3%
2000	7%	6%	3%	2%	5%	4%	5%	4%	5%	4%
2001	7%	6%	3%	2%	5%	4%	5%	4%	4%	4%
2002	8%	6%	4%	2%	5%	5%	5%	4%	5%	4%

Analysis is based on Monthly Service Reports submitted to DDMHS by the designated agencies and includes children under 18 who were assigned to Children's Services Programs.

**0-4 and 5-9 Year Olds
Access to Child and Adolescent Mental Health Programs
Percent Served
By Region, Vermont: FY1999 - FY2002**

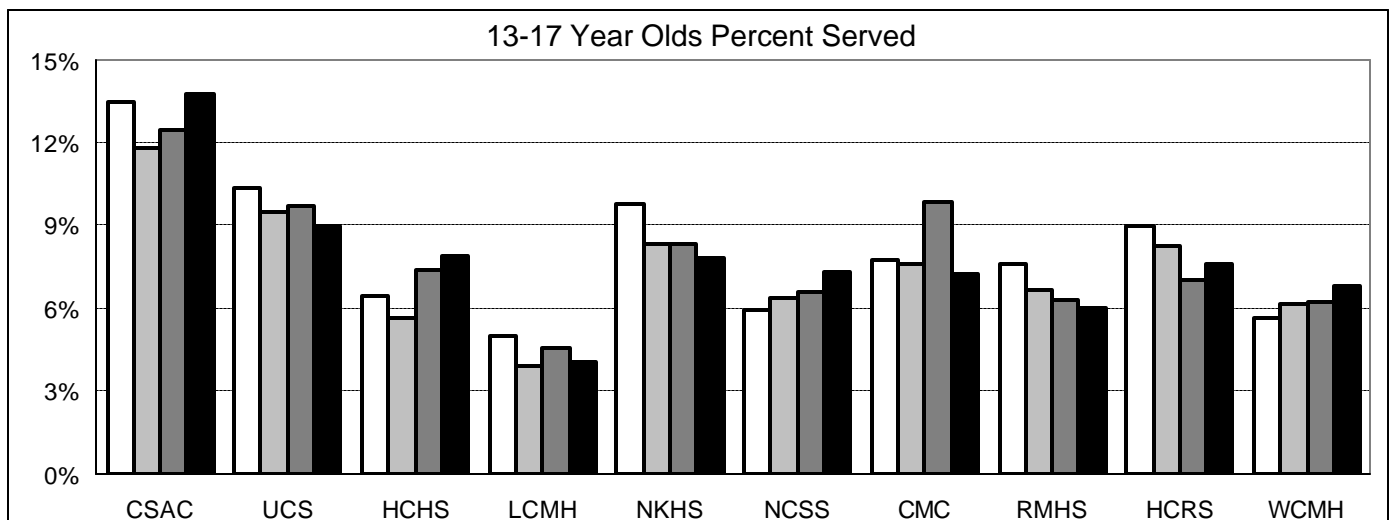
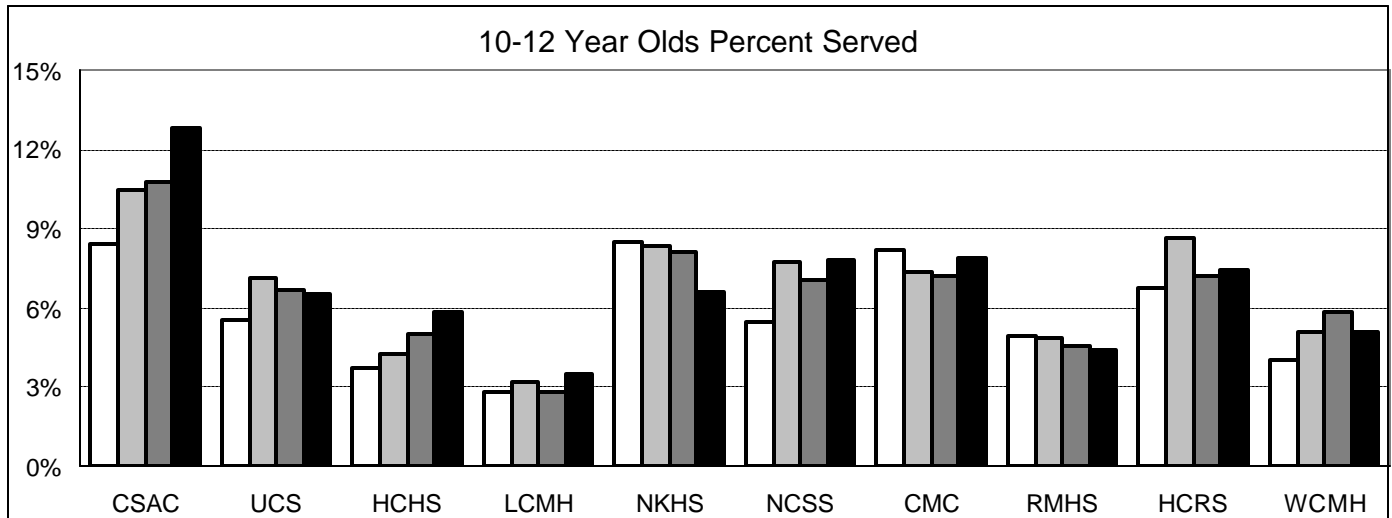


Percent Served	0-4 Year Olds									
	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	1%	1%	0.4%	0.2%	1%	0.2%	0.2%	0.4%	1%	1%
2000	2%	2%	1%	2%	1%	1%	1%	1%	1%	2%
2001	2%	2%	1%	2%	2%	2%	1%	2%	1%	2%
2002	2%	1%	1%	3%	2%	2%	1%	2%	2%	2%

Percent Served	5-9 Year Olds									
	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	6%	3%	3%	2%	5%	3%	5%	4%	5%	3%
2000	8%	5%	3%	4%	6%	5%	5%	4%	7%	5%
2001	7%	5%	4%	3%	5%	6%	5%	4%	5%	5%
2002	8%	5%	4%	3%	5%	6%	5%	5%	5%	4%

Analysis is based on Monthly Service Reports submitted to DDMHS by the designated agencies and includes children under 18 who were assigned to Children's Services Programs.

10-12 and 13-17 Year Olds
Access to Child and Adolescent Mental Health Programs
Percent Served
By Region, Vermont: FY1999 - FY2002

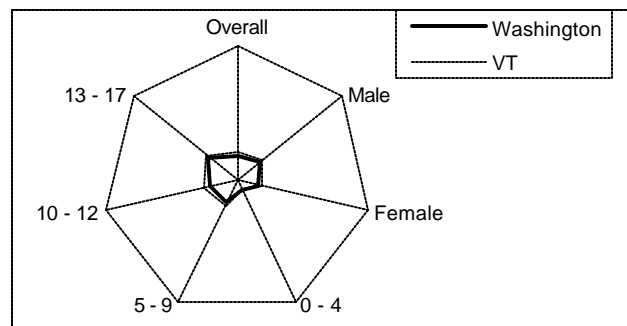
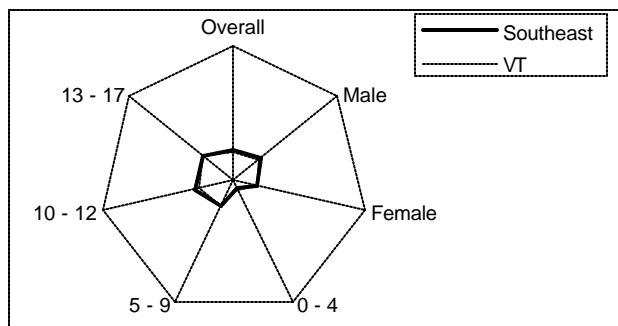
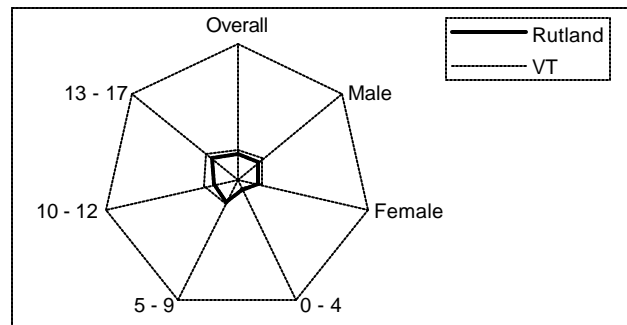
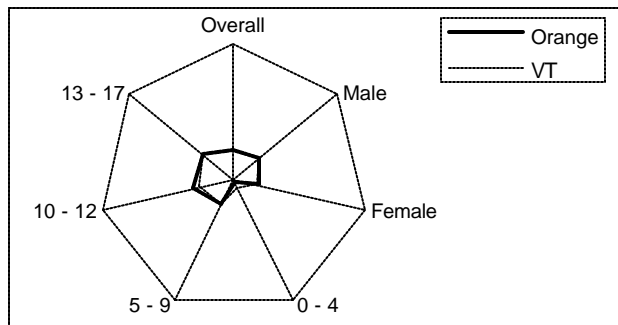
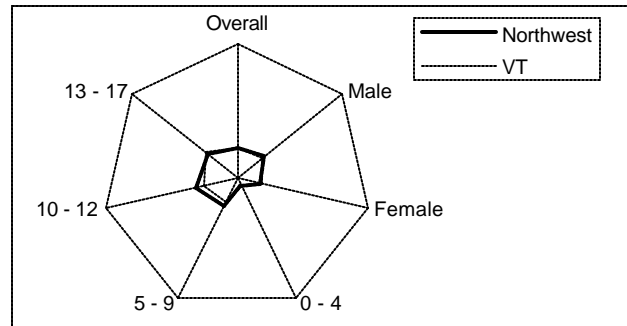
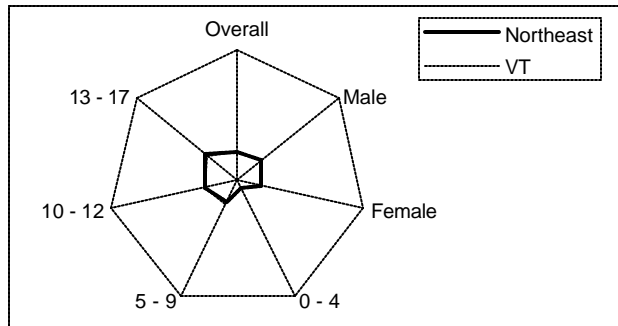
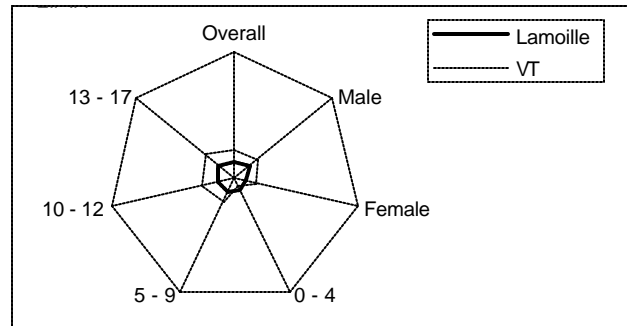
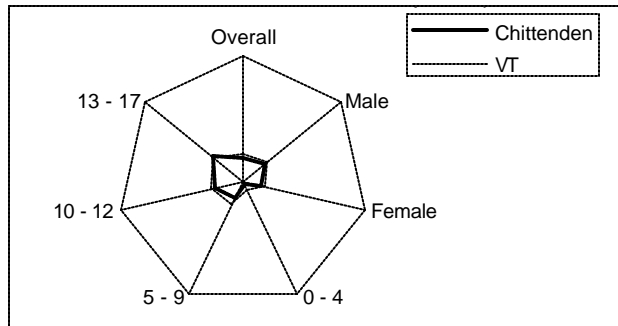
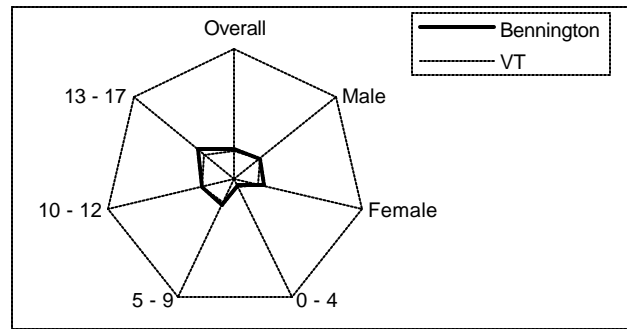
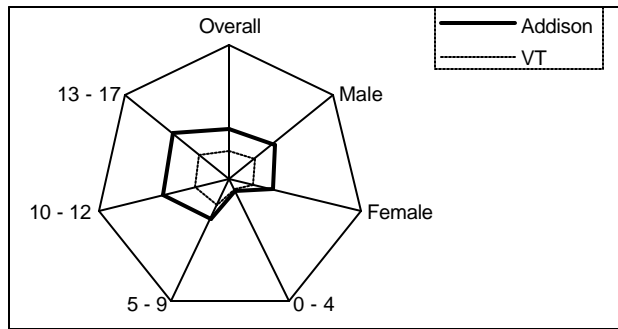


Percent Served	10-12 Year Olds									
	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	8%	6%	4%	3%	8%	5%	8%	5%	7%	4%
2000	10%	7%	4%	3%	8%	8%	7%	5%	9%	5%
2001	11%	7%	5%	3%	8%	7%	7%	5%	7%	6%
2002	13%	6%	6%	3%	7%	8%	8%	4%	7%	5%

Percent Served	13-17 Year Olds									
	CSAC	UCS	HCHS	LCMH	NKHS	NCSS	CMC	RMHS	HCRS	WCMH
1999	13%	10%	6%	5%	10%	6%	8%	8%	9%	6%
2000	12%	9%	6%	4%	8%	6%	8%	7%	8%	6%
2001	12%	10%	7%	5%	8%	7%	10%	6%	7%	6%
2002	14%	9%	8%	4%	8%	7%	7%	6%	8%	7%

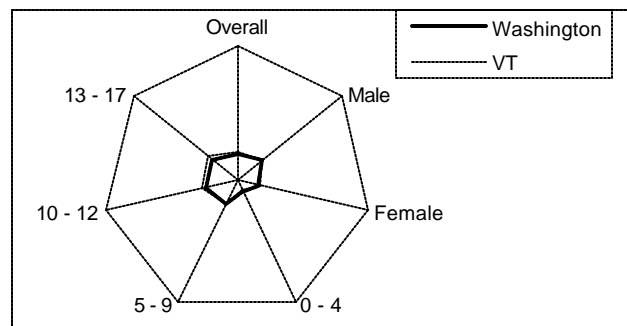
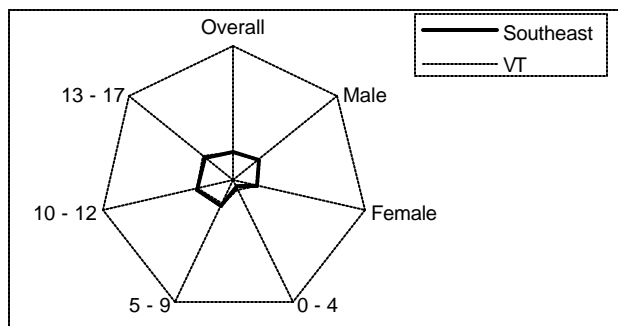
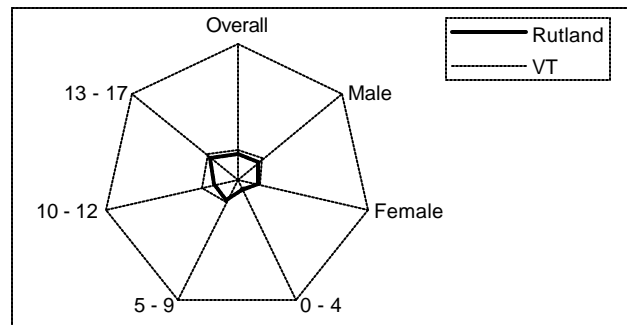
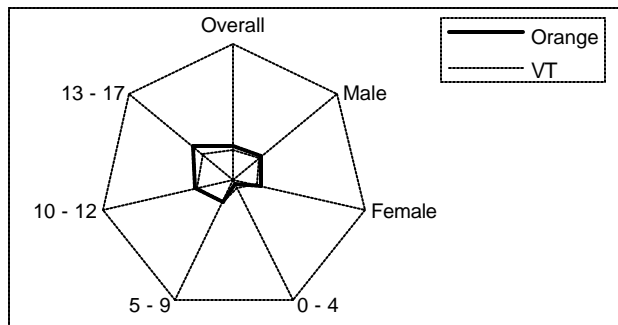
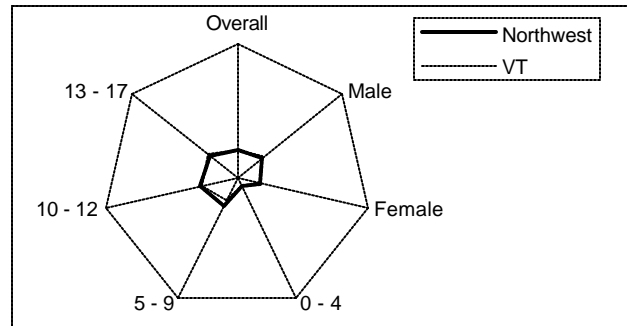
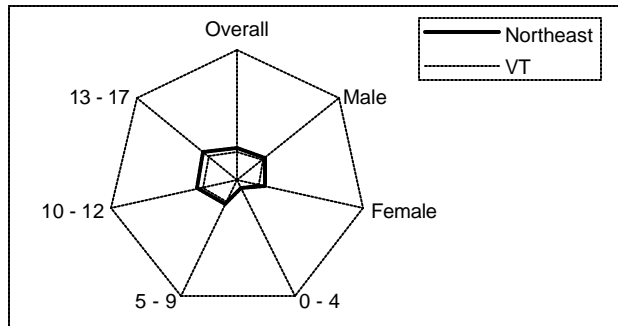
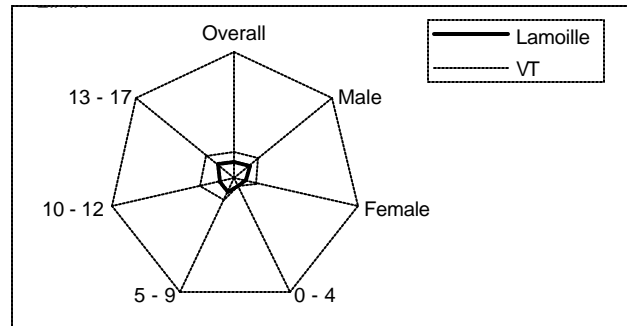
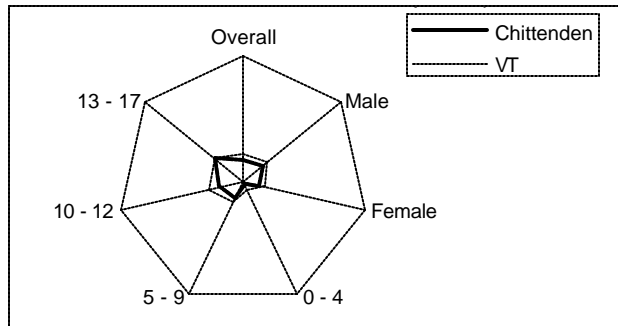
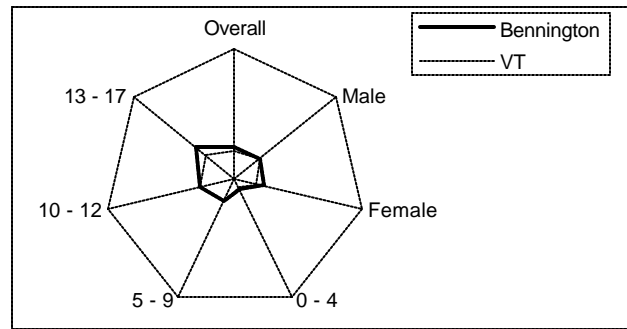
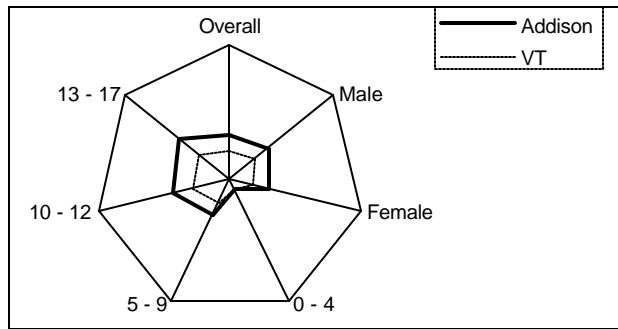
Analysis is based on Monthly Service Reports submitted to DDMHS by the designated agencies and includes children under 18 who were assigned to Children's Services Programs.

CHILD AND ADOLESCENT MENTAL HEALTH PROGRAMS PER CAPITA UTILIZATION RATES FOR SPECIFIED GROUPS BY REGION: FY 2002



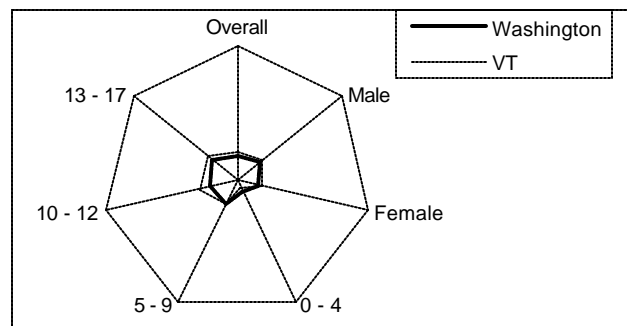
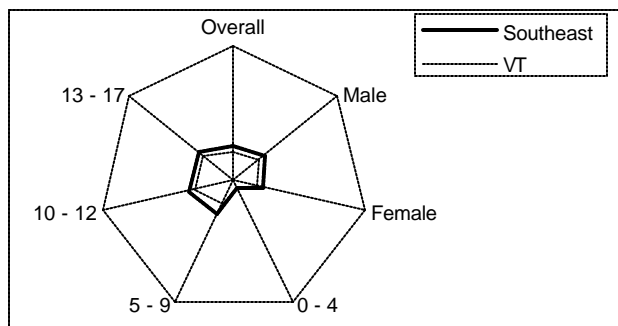
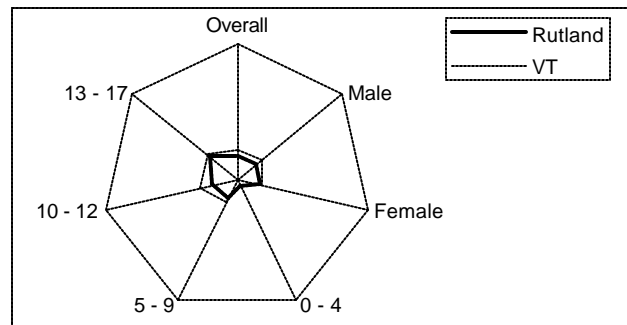
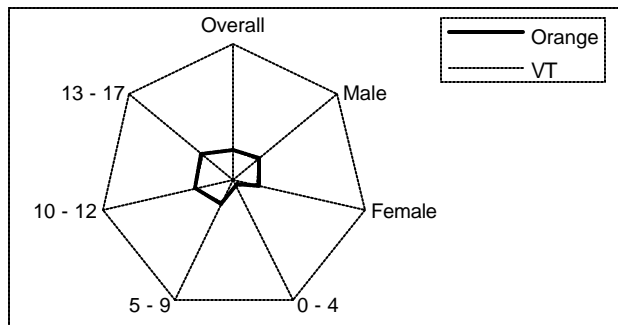
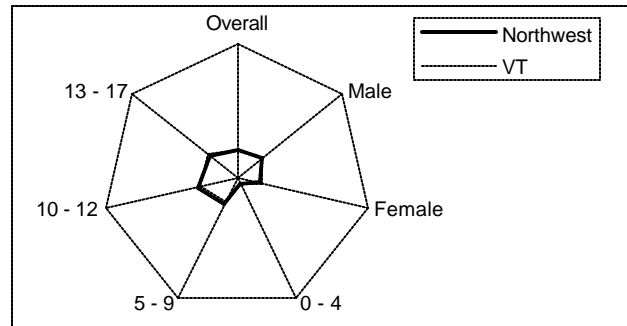
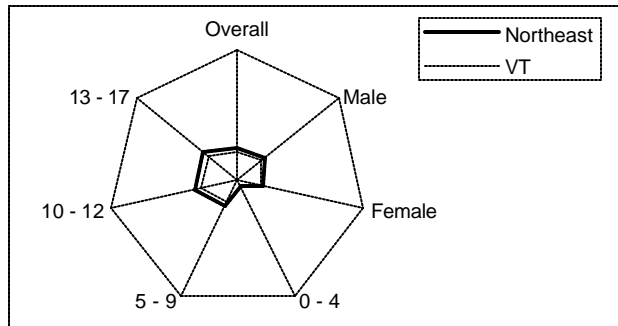
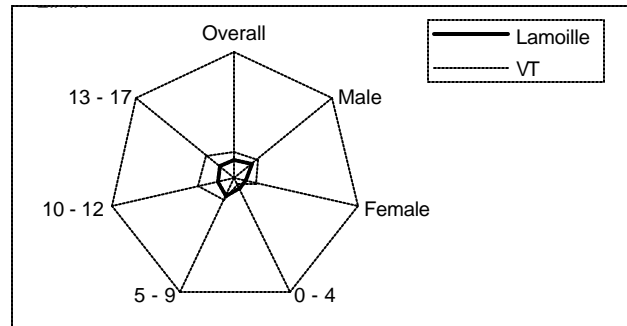
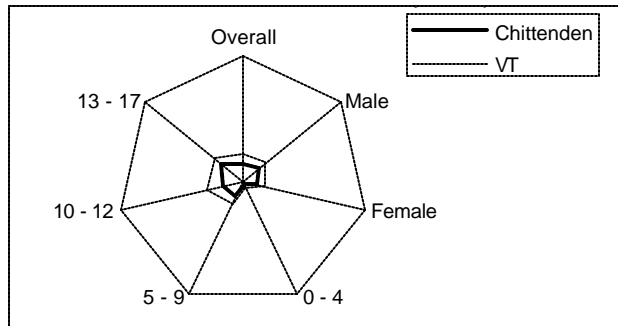
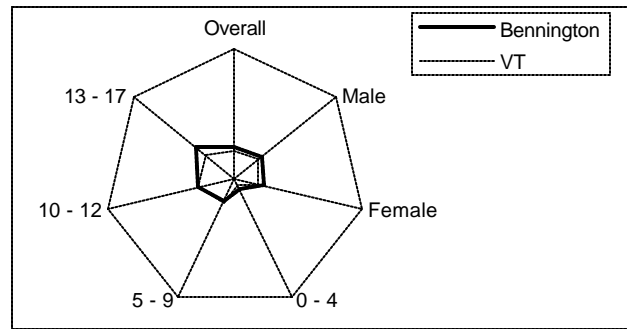
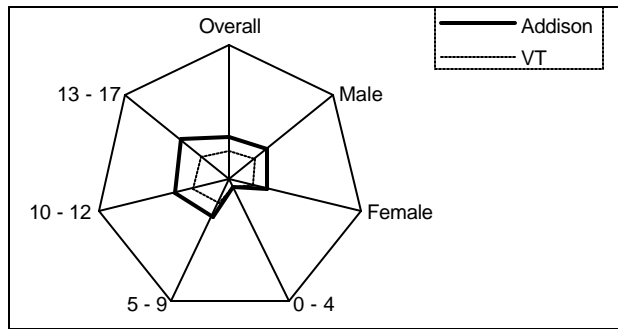
In this presentation, each axis represents the per capita utilization rate for the specified group based on a scale of 0 - 25% per 1,000 population. The intersection of the axis is 0.

CHILD AND ADOLESCENT MENTAL HEALTH PROGRAMS PER CAPITA UTILIZATION RATES FOR SPECIFIED GROUPS BY REGION: FY 2001



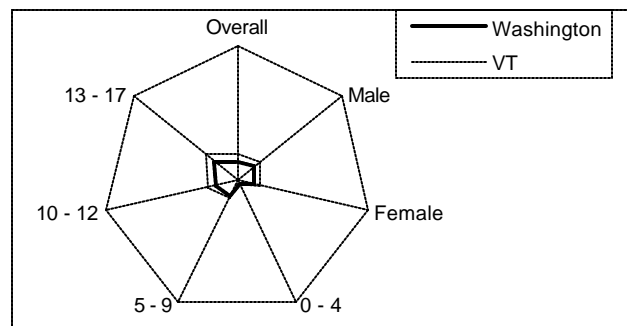
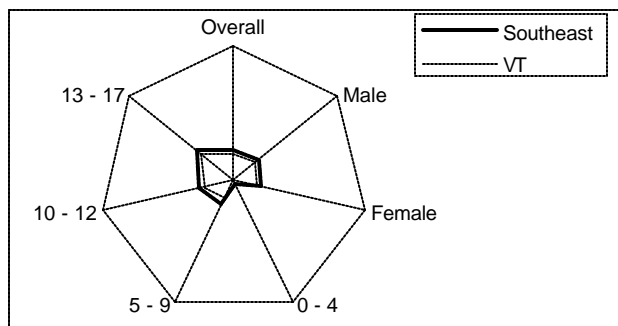
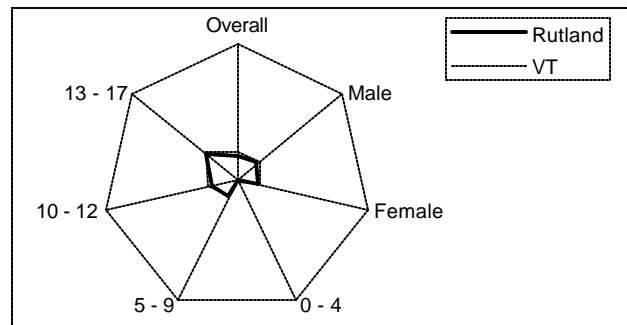
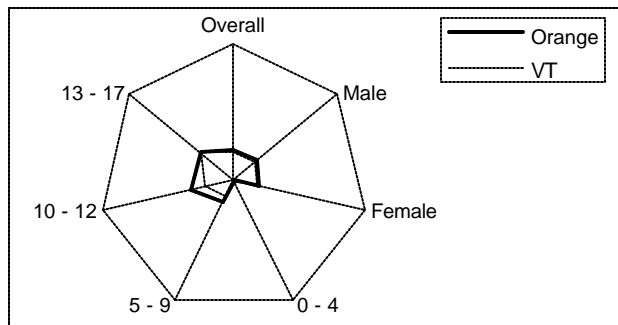
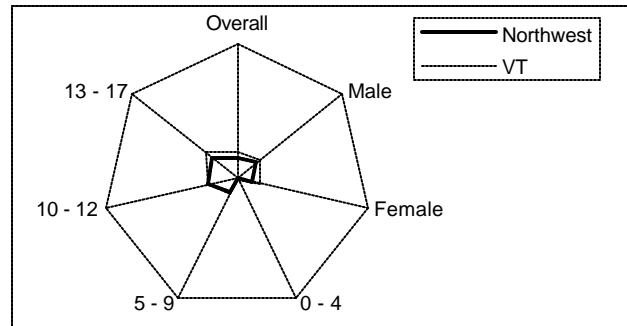
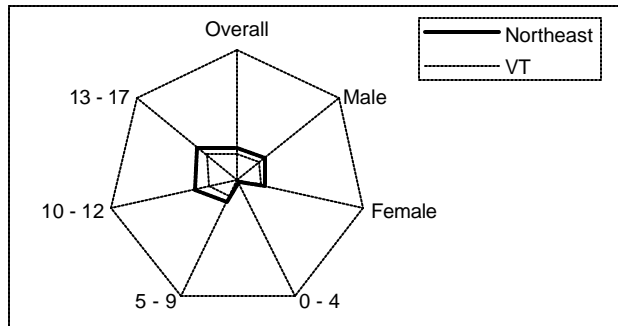
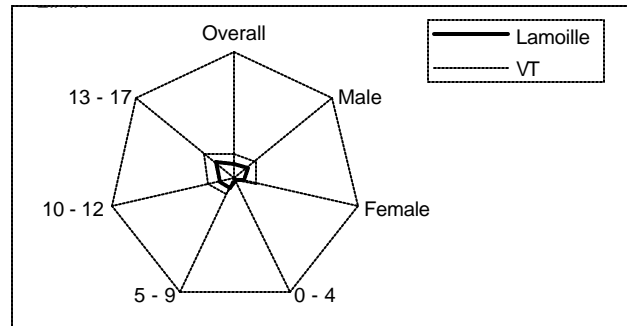
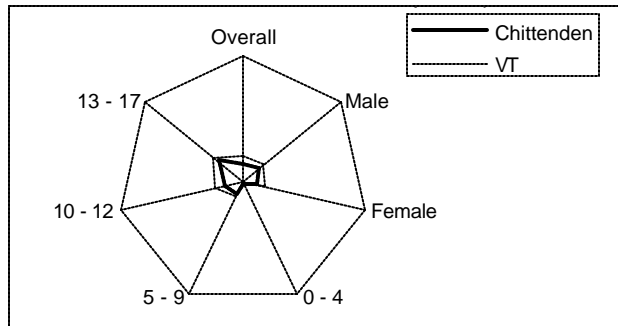
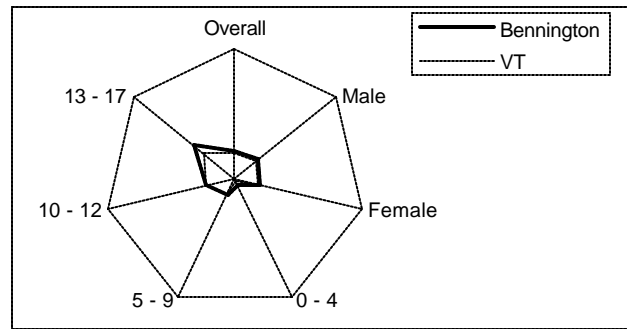
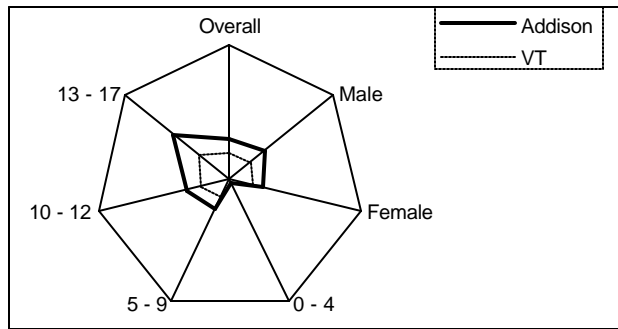
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CHILD AND ADOLESCENT MENTAL HEALTH PROGRAMS PER CAPITA UTILIZATION RATES FOR SPECIFIED GROUPS BY REGION: FY 2000



In this presentation, each axis represents the per capita utilization rate for the specified group based on a scale of 0 - 25% per 1,000 population. The intersection of the axis is 0.

CHILD AND ADOLESCENT MENTAL HEALTH PROGRAMS PER CAPITA UTILIZATION RATES FOR SPECIFIED GROUPS BY REGION: FY 1999



In this presentation, each axis represents the per capita utilization rate for the specified group based on a scale of 0 - 25% per 1,000 population. The intersection of the axis is 0.

ACCESS TO CHILD AND ADOLESCENT MENTAL HEALTH PROGRAMS BY REGION, VERMONT: FY 2002

Region/Provider		Overall	Age Groups				Gender		
			0 - 4	5 - 9	10 - 12	13 - 17	Male	Female	
Addison	- CSAC	Population	8,779	2,018	2,489	1,559	2,713	4,498	4,281
		Number Served	825	47	207	199	372	477	348
		Percent Served	9%	2%	8%	13%	14%	11%	8%
Bennington	- UCS	Population	8,758	1,922	2,441	1,650	2,745	4,541	4,217
		Number Served	508	25	131	107	245	274	234
		Percent Served	6%	1%	5%	6%	9%	6%	6%
Chittenden	- HCHS	Population	34,513	8,487	10,012	6,116	9,898	17,662	16,851
		Number Served	1,583	68	377	358	780	975	608
		Percent Served	5%	1%	4%	6%	8%	6%	4%
Lamoille	- LCMHS	Population	5,645	1,284	1,654	1,030	1,677	2,949	2,696
		Number Served	185	33	48	36	68	123	62
		Percent Served	3%	3%	3%	3%	4%	4%	2%
Northeast	- NKHS	Population	15,770	3,465	4,218	3,010	5,077	8,181	7,589
		Number Served	863	63	206	198	396	494	369
		Percent Served	5%	2%	5%	7%	8%	6%	5%
Northwest	- NCSS	Population	14,471	3,598	4,103	2,570	4,200	7,427	7,044
		Number Served	801	55	241	200	305	484	317
		Percent Served	6%	2%	6%	8%	7%	7%	5%
Orange	- CMC	Population	9,226	2,016	2,469	1,773	2,968	4,761	4,465
		Number Served	502	16	132	140	214	285	217
		Percent Served	5%	1%	5%	8%	7%	6%	5%
Rutland	- RMHS	Population	14,739	3,273	4,007	2,822	4,637	7,515	7,224
		Number Served	667	68	195	125	279	379	288
		Percent Served	5%	2%	5%	4%	6%	5%	4%
Southeast	- HCRSSV	Population	21,986	4,805	5,964	4,178	7,039	11,279	10,707
		Number Served	1,242	79	320	310	533	748	494
		Percent Served	6%	2%	5%	7%	8%	7%	5%
Washington	- WCMHS	Population	13,636	3,121	3,744	2,530	4,241	6,918	6,718
		Number Served	645	61	166	129	289	376	269
		Percent Served	5%	2%	4%	5%	7%	5%	4%
Statewide		Population	147,523	33,989	41,101	27,238	45,195	75,731	71,792
		Number Served	7,821	515	2,023	1,802	3,481	4,615	3,206
		Percent Served	5.3%	1.5%	4.9%	6.6%	7.7%	6.1%	4.5%

ACCESS TO CHILD AND ADOLESCENT MENTAL HEALTH PROGRAMS BY REGION, VERMONT: FY 2001

Region/Provider		Overall	Age Groups				Gender		
			0 - 4	5 - 9	10 - 12	13 - 17	Male	Female	
Addison	- CSAC	Population	8,779	2,018	2,489	1,559	2,713	4,498	4,281
		Number Served	725	37	183	168	337	413	312
		Percent Served	8%	2%	7%	11%	12%	9%	7%
Bennington	- UCS	Population	8,758	1,922	2,441	1,650	2,745	4,541	4,217
		Number Served	527	41	111	110	265	284	243
		Percent Served	6%	2%	5%	7%	10%	6%	6%
Chittenden	- HCHS	Population	34,513	8,487	10,012	6,116	9,898	17,662	16,851
		Number Served	1,468	59	373	305	731	896	572
		Percent Served	4%	1%	4%	5%	7%	5%	3%
Lamoille	- LCMHS	Population	5,645	1,284	1,654	1,030	1,677	2,949	2,696
		Number Served	176	23	48	29	76	112	64
		Percent Served	3%	2%	3%	3%	5%	4%	2%
Northeast	- NKHS	Population	15,770	3,465	4,218	3,010	5,077	8,181	7,589
		Number Served	943	61	215	245	422	540	403
		Percent Served	6%	2%	5%	8%	8%	7%	5%
Northwest	- NCSS	Population	14,471	3,598	4,103	2,570	4,200	7,427	7,044
		Number Served	754	65	230	182	277	446	308
		Percent Served	5%	2%	6%	7%	7%	6%	4%
Orange	- CMC	Population	9,226	2,016	2,469	1,773	2,968	4,761	4,465
		Number Served	553	20	113	128	292	321	232
		Percent Served	6%	1%	5%	7%	10%	7%	5%
Rutland	- RMHS	Population	14,739	3,273	4,007	2,822	4,637	7,515	7,224
		Number Served	667	71	176	128	292	389	278
		Percent Served	5%	2%	4%	5%	6%	5%	4%
Southeast	- HCRSSV	Population	21,986	4,805	5,964	4,178	7,039	11,279	10,707
		Number Served	1,168	61	315	300	492	702	466
		Percent Served	5%	1%	5%	7%	7%	6%	4%
Washington	- WCMHS	Population	13,636	3,121	3,744	2,530	4,241	6,918	6,718
		Number Served	662	68	184	148	262	405	257
		Percent Served	5%	2%	5%	6%	6%	6%	4%
Statewide		Population	147,523	33,989	41,101	27,238	45,195	75,731	71,792
		Number Served	7,643	506	1,948	1,743	3,446	4,508	3,135
		Percent Served	5.2%	1.5%	4.7%	6.4%	7.6%	6.0%	4.4%

ACCESS TO CHILD AND ADOLESCENT MENTAL HEALTH PROGRAMS BY REGION, VERMONT: FY 2000

Region/Provider		Overall	Age Groups				Gender		
			0 - 4	5 - 9	10 - 12	13 - 17	Male	Female	
Addison	- CSAC	Population	8,779	2,018	2,489	1,559	2,713	4,498	4,281
		Number Served	705	33	189	163	320	405	300
		Percent Served	8%	2%	8%	10%	12%	9%	7%
Bennington	- UCS	Population	8,758	1,922	2,441	1,650	2,745	4,541	4,217
		Number Served	536	40	118	118	260	301	235
		Percent Served	6%	2%	5%	7%	9%	7%	6%
Chittenden	- HCHS	Population	34,513	8,487	10,012	6,116	9,898	17,662	16,851
		Number Served	1,211	54	340	258	559	726	485
		Percent Served	4%	1%	3%	4%	6%	4%	3%
Lamoille	- LCMHS	Population	5,645	1,284	1,654	1,030	1,677	2,949	2,696
		Number Served	196	30	68	33	65	135	61
		Percent Served	3%	2%	4%	3%	4%	5%	2%
Northeast	- NKHS	Population	15,770	3,465	4,218	3,010	5,077	8,181	7,589
		Number Served	946	42	232	250	422	563	383
		Percent Served	6%	1%	6%	8%	8%	7%	5%
Northwest	- NCSS	Population	14,471	3,598	4,103	2,570	4,200	7,427	7,044
		Number Served	727	44	217	198	268	432	295
		Percent Served	5%	1%	5%	8%	6%	6%	4%
Orange	- CMC	Population	9,226	2,016	2,469	1,773	2,968	4,761	4,465
		Number Served	504	24	124	130	226	285	219
		Percent Served	5%	1%	5%	7%	8%	6%	5%
Rutland	- RMHS	Population	14,739	3,273	4,007	2,822	4,637	7,515	7,224
		Number Served	649	42	163	136	308	350	299
		Percent Served	4%	1%	4%	5%	7%	5%	4%
Southeast	- HCRSSV	Population	21,986	4,805	5,964	4,178	7,039	11,279	10,707
		Number Served	1,421	72	406	362	581	834	587
		Percent Served	6%	1%	7%	9%	8%	7%	5%
Washington	- WCMHS	Population	13,636	3,121	3,744	2,530	4,241	6,918	6,718
		Number Served	638	68	181	129	260	371	267
		Percent Served	5%	2%	5%	5%	6%	5%	4%
Statewide		Population	147,523	33,989	41,101	27,238	45,195	75,731	71,792
		Number Served	7,533	449	2,038	1,777	3,269	4,402	3,131
		Percent Served	5.1%	1.3%	5.0%	6.5%	7.2%	5.8%	4.4%

ACCESS TO CHILD AND ADOLESCENT MENTAL HEALTH PROGRAMS BY REGION, VERMONT: FY 1999

Region/Provider		Overall	Age Groups				Gender		
			0 - 4	5 - 9	10 - 12	13 - 17	Male	Female	
Addison	- CSAC	Population	8,779	2,018	2,489	1,559	2,713	4,498	4,281
		Number Served	656	11	148	131	366	381	275
		Percent Served	7%	1%	6%	8%	13%	8%	6%
Bennington	- UCS	Population	8,758	1,922	2,441	1,650	2,745	4,541	4,217
		Number Served	477	21	82	91	283	269	208
		Percent Served	5%	1%	3%	6%	10%	6%	5%
Chittenden	- HCHS	Population	34,513	8,487	10,012	6,116	9,898	17,662	16,851
		Number Served	1,171	37	271	225	638	698	473
		Percent Served	3%	0.4%	3%	4%	6%	4%	3%
Lamoille	- LCMHS	Population	5,645	1,284	1,654	1,030	1,677	2,949	2,696
		Number Served	151	3	36	29	83	95	56
		Percent Served	3%	0.2%	2%	3%	5%	3%	2%
Northeast	- NKHS	Population	15,770	3,465	4,218	3,010	5,077	8,181	7,589
		Number Served	969	19	198	255	497	558	411
		Percent Served	6%	1%	5%	8%	10%	7%	5%
Northwest	- NCSS	Population	14,471	3,598	4,103	2,570	4,200	7,427	7,044
		Number Served	526	8	128	141	249	325	201
		Percent Served	4%	0.2%	3%	5%	6%	4%	3%
Orange	- CMC	Population	9,226	2,016	2,469	1,773	2,968	4,761	4,465
		Number Served	499	4	121	145	229	274	225
		Percent Served	5%	0.2%	5%	8%	8%	6%	5%
Rutland	- RMHS	Population	14,739	3,273	4,007	2,822	4,637	7,515	7,224
		Number Served	643	13	142	138	350	355	288
		Percent Served	4%	0.4%	4%	5%	8%	5%	4%
Southeast	- HCRSSV	Population	21,986	4,805	5,964	4,178	7,039	11,279	10,707
		Number Served	1,248	37	296	282	633	706	542
		Percent Served	6%	1%	5%	7%	9%	6%	5%
Washington	- WCMHS	Population	13,636	3,121	3,744	2,530	4,241	6,918	6,718
		Number Served	489	27	122	101	239	285	204
		Percent Served	4%	1%	3%	4%	6%	4%	3%
Statewide		Population	147,523	33,989	41,101	27,238	45,195	75,731	71,792
		Number Served	6,829	180	1,544	1,538	3,567	3,946	2,883
		Percent Served	4.6%	0.5%	3.8%	5.6%	7.9%	5.2%	4.0%